PATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	James M. Robl et al.	Confirmation No.:	4828
Serial No.:	10/705,519	Art Unit:	1632
Filed:	November 10, 2003	Examiner:	Deborah Crouch
Customer No.:	21559		
Title:	TRANSGENIC UNGULATES HAVING REDUCED PRION PROTEIN ACTIVITY AND USES THEREOF		

DECLARATION OF DR. YOSHIMI KUROIWA TRAVERSING GROUNDS OF REJECTION OVER LACK OF ENABLEMENT

Under 37 C.F.R. § 1.132 and regarding the rejection of claims 1-6 and 25-38 for lack of enablement, I declare:

1. I am an inventor of the subject matter that is described and claimed in the above-captioned patent application. My curriculum vita is attached.

2. The specification provides ample guidance for one skilled in the art to produce hemizygous and homozygous prion protein (PrP) knockout cells and bovines (see, e.g., page 46, line 11 – page 47, line 31). This section teaches how a knockout vector used to inactivate the prion locus was constructed and further describes general methods for homologous recombination to produce knockout cells and calves.

3. Hemizygous and homozygous PrP KO bovines cells were actually produced using the methods described in the specification (page 54, line 12 – page 61, line 17). As stated in the specification, hemizygous $PrP^{+/-}$ cells were produced at a frequency of approximately 50%, and homozygous $PrP^{-/-}$ cells were produced from hemizygous cells

Considered.
D. Crouch
6/5/08